## CLAIMS :

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3 1. A method of forming a felt covering for a ball, 4 characterised by the steps of forming a needlefelt 5 comprising an entanglement of fibres produced by needling a fibre batt in a range of angles 6 7 including a plurality of angles which are nonperpendicular to the surface of the batt, and 8 9 cutting or otherwise shaping the needlefelt to form a blank adapted at least partially to cover a 10 11 ball.

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 A method as claimed in claim 1, characterised in that the batt is curved during needling.

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16 3. A method as claimed in claim 2 wherein the batt is
17 moved longitudinally as a step in the needling
18 process, characterised in that the batt is curved
19 in a longitudinal direction while being needled.

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21 4. A needle felt for a ball covering, said needlefelt 22 being characterised in that it comprises an 23 entanglement of fibres formed by the needlefelting 24 of a fibre batt passed through a needlefelting machine having at least one needleboard providing 25 26 barbed needles to penetrate said batt in a range 27 of angles including a plurality of angles which are non-perpendicular with respect to the surface 28 29 of the batt, and in that said needlefelt is cut or 30 otherwise shaped to form a blank adapted at least 31 partially to cover a ball.

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33 5. A needlefelt as claimed in claim 4, characterised 34 in that during needling of the batt in the 35 needlefelting machine the batt is curved in the 36 direction of its travel through the needlefelting

1		machine.
2		
3	6.	A needlefelt as claimed in claim 5, characterised
4		in that the needleboard is correspondingly curved.
5		
6	7.	A needlefelt as claimed in claim 4, characterised
7		in that the needlefelting machine comprises two
8		needleboards at respective locations which are
9		mutually displaced along the direction of travel
10		of the batt through the needlefelting machine.
11		
12	8.	A needlefelt as claimed in claim 7, characterised
13		in that the two needleboards are respectively
14		disposed to needle the batt from mutually opposite
15		sides of the batt.
16		
17	9.	A needlefelt as claimed in claim 8 and wherein the
18		needlefelt incorporates a scrim, characterised in
19		that the first of said two needleboards in the
20		direction of travel of the batt through the
21		needlefelting machine is disposed to needle the
22		layered combination of batt and scrim from the
23		side opposite to the scrim.
24		
25	10.	A needlefelt as claimed in claim 3, characterised
26		in that prior to being needled, the batt is
27		subjected to a preliminary consolidation and fibre
28		entanglement in a pre-needling machine.
29		
30	11,	A needlefelt as claimed in claim 10, characterised
31		in that while being partially consolidated in the
32		pre-needling machine, the batt is curved in its

 machine.

12. A needlefelt as claimed in claim 4, characterised

direction of travel through the pre-needling

1			in the ball is a resilient hollow ball.
2			
3		13.	A needlefelt as claimed in claim 12, characterised
4			in that said ball is a tennis ball.
5			
6		14.	A felt-covered ball, characterised in that the
7			ball-covering felt is a needlefelt comprising an
8			entanglement of fibres formed by the needlefelting
9			of a fibre batt passed through a needlefelting
10	,		machine having at least one needleboard providing
11			barbed needles to penetrate said web in a range of
12			angles including a plurality of angles which are
13			non-perpendicular with respect to the surface of
14			the batt.
15			
16		15.	A felt-covered ball as claimed in claim 14,
17			characterised in that the ball comprises a
18			resilient hollow core to which the needlefelt is
19			adhered.
20			
21		16.	A felt-covered ball as claimed in claim 15,
22			characterised in that the ball is a tennis ball.
23			
24		17.	A felt-covered ball, characterised in that the
25			ball is covered by a needlefelt produced by the
26			method as claimed in claim 1.
27			
28		18.	A felt-covered ball, characterised in that the
29			ball is covered by a needlefelt as claimed in
30			claim 4.
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32		19.	A felt-covered ball as claimed in claim 17 or in
33			claim 18, characterised in that the ball is a
34			tennis ball.
35			
36		20.	A needlefelt as claimed in claim 4, characterised

1		in that prior to being needled, the batt is
2		subjected to a preliminary consolidation and fibre
3		entanglement in a pre-needling machine.
4		
5 .	21.	A needlefelt as claimed in claim 20, characterised
6		in that while being partially consolidated in the
7		pre-needling machine, the batt is curved in its
8		direction of travel through the pre-needling
9		machine.
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